	Application No.	Applicant(s)	-	
Notice of Allowability	09/868,914	MORLET AL	MORI ET AL.	
	Examiner	Art Unit		
	Jean E Lesperance	2674		
The MAILING DATE of this communication app. All claims being allowable, PROSECUTION ON THE MERITS I herewith (or previously mailed), a Notice of Allowance (PTOL-8 NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT of the Office or upon petition by the applicant. See 37 CFR 1.3 1. This communication is responsive to 10-1-2004.	S (OR REMAINS) CLOSED in 5) or other appropriate commun RIGHTS. This application is su	this application. If not include nication will be mailed in due	ded e course. THIS	
2. X The allowed claim(s) is/are 1, 2, and 5-48 renumbered a	<u>s 1-46</u> .			
3. The drawings filed on 11 July 2001 are accepted by the	Examiner.	·		
 4. Acknowledgment is made of a claim for foreign priority a)	ve been received. ve been received in Application documents have been received "of this communication to file a	n No in this national stage applic		
5. A SUBSTITUTE OATH OR DECLARATION must be sub INFORMAL PATENT APPLICATION (PTO-152) which gi	mitted. Note the attached EXA ives reason(s) why the oath or	MINER'S AMENDMENT or declaration is deficient.	NOTICE OF	
 CORRECTED DRAWINGS (as "replacement sheets") m (a) including changes required by the Notice of Draftspe 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examine Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR each sheet. Replacement sheet(s) should be labeled as such in 	erson's Patent Drawing Review er's Amendment / Comment or i 1.84(c)) should be written on the	n the Office action of edrawings in the front (not the	e back) of	
 DEPOSIT OF and/or INFORMATION about the department department regarding REQUIREMENT 	posit of BIOLOGICAL MATE T FOR THE DEPOSIT OF BIO	RIAL must be submitted. LOGICAL MATERIAL.	Note the	
Attachment(s) 1. ☐ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB Paper No./Mail Date) 6. ☐ Interview Sur Paper No./N N/08), 7. ☐ Examiner's A	Mail Date Amendment/Comment Statement of Reasons for All	owance	

Art Unit: 2674

DETAILED ACTION

Claims 1-2 and 5-48 are presented for examination.

Allowable Subject Matter

Claims 1-2 and 5-48 are allowed.

Reasons for allowance

The following is a statement of reasons for indicating the allowable subject matter: the claimed invention is directed to a display device for selectively discharge a plurality of discharge cells to display an image. Independent claims 1 and 39 identify a uniquely distinct feature "a second driving circuit that increases a voltage of the driving pulse, to induce a second discharge subsequently to said first discharge, after the voltage of said driving pulse is reduced by said first discharge, wherein an interval between a peak of said first discharge and a peak of said second discharge is not less than 100 ns nor more than 550 ns". Independent claim 14 identifies a uniquely distinct feature "a driving circuit that applies a driving pulse to a selected discharge cell in said display panel to induce a first discharge, the driving circuit increasing a voltage of the driving pulse to induce a second discharge subsequent of said first discharge". Independent claim 32 identifies a uniquely distinct feature "a second driving circuit that increases a voltage of said driving pulse to induce second discharge subsequent to said first discharge; a detection circuit that detects a lighting rate of discharge cells simultaneously turned on out of said plurality of discharge cells; and a control circuit that

Application/Control Number: 09/868,914

Art Unit: 2674

controls said first and second driving circuit such that said driving pulse is changed depending on the lighting rate detected by said detection circuit, wherein said plurality of discharge cells respectively include capacitive loads, and said first driving circuit comprises: an inductance circuit having at least one inductance element having a first end connected to said capacitive load, and a resonance driving circuit that outputs said driving pulse due to LC resonance by said capacitive load and said inductance element". Independent claim 36 identifies a uniquely distinct feature "a second driving circuit that increases the voltage of said driving pulse to induce said second discharge subsequent to said first discharge, said second driving circuit comprising: a second capacitive element provided outside said display panel as a current supply source for said driving pulse, and a voltage source that charges said second capacitive element to a predetermined". Independent claim 39 identifies a uniquely distinct feature "increasing, after a voltage of the driving pulse is reduced by the first discharge, the voltage of the driving pulse, to induce a second discharge subsequently to the first discharge, wherein an interval between a peak of the fast discharge and a peak of the second discharge is not less than 100 ns nor more than 550 us". Independent claim 43 identifies a uniquely distinct feature "applying a driving pulse to a selected discharge cell to induce a first discharge and increasing a voltage of the driving pulse to induce a second discharge subsequent to the first discharge". Independent claim 46-48 identify a uniquely distinct feature "a second driving circuit that increases a voltage of the driving pulse, to induce a second discharge subsequently to said first discharge, wherein said plurality of discharge cells respectively include capacitive loads, and said first driving

circuit comprises an inductance circuit that has at least one inductance element having a first end connected to a capacitive load, and a resonance driving circuit that drives said driving pulse due to LC resonance by said capacitive load and said inductance element".

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Hashimoto et al. teach sustain discharge which is performed a specified number of times to obtain a predetermined luminance includes a first discharge mainly induced by externally-applied voltage and a second discharge mainly induced by wall charges, and an assistant pulse is applied in a direction to increase the second discharge. The closest art, Hashimoto et al. as discussed above, either singularly or in combination, fails to anticipate or render the above limitations obvious.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jean Lesperance whose telephone number is (703) 308-6413. The examiner can normally be reached on from Monday to Friday between 8:OOAM and 4:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Shalwala Bipin, can be reached on (703) 305-4938.

Any response to this action should be mailed to:

Application/Control Number: 09/868,914

Art Unit: 2674

Commissioner of Patents and Trademarks

Washington, D.C. 20231

or faxed to:

(703) 872-9314 (for Technology Center 2600 only)

Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal drive, Arlington, VA, Sixth Floor (Receptionist).

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the technology Center 2600 Customer Service Office whose telephone number is (703) 306-0377.

Jean Lesperance

Date 10-18-2004

Art Unit 2674

HENRY N.TRAN
PRIMARY EXAMINES

Henry N. Jom